

10/76/801

## DUAL-MODE PFM BOOST CONVERTER

### Abstract of the Disclosure

A dual-mode pulse frequency modulation boost converter operates in a hysteretic mode during light load currents to regulate an output voltage using a substantially fixed peak switching current and operates in a continuous mode during heavy load currents to regulate the output voltage using a variable peak switching current. The boost converter senses load power to automatically switch between the hysteretic mode and the continuous mode.

SSN-2744.DOC  
20040118